Amendments to the Claims:

Claim 1 (currently amended): A substrate carrier for securing semiconductor substrates, comprising: a cassette having, an upper substrate entrance[.]; a lower substrate support opening[.]; a first end partition disposed opposite a second end partition; a first side panel disposed opposite a second side panel, said panels having an inner surface thereof, with an aligned train of paired channels for holding substrates, said channels are formed having two side surfaces and a bottom surface, said channels having a curbing member with a sloped profile, is disposed on an upper side of each channel, said curbing member enables a circular substrate to slide by said sloped profile past a necked portion of opposing channels, thereafter securing said substrate under said curbing member. a first side panel having an inner surface thereof, a train of parallel -substrate support channels, said support channels having a bottom surface, a left side -surface and a right side surface, said left and right side surfaces are perpendicular to said -bottom-surface. a second side panel opposite said first side panel, having, on an inner surface a matching

Appl. No. 10/615,743

Amdt. dated Jan. 7, 2005

Reply to Office Action of Oct. 7, 2004.

-train of parallel substrate support channels;

an arcuate curbing member. disposed on a left side surface in each of said channels, and

including

-a top end having a sloped segment facing said entrance of said cassette permitting a

substrate to slide by a necked portion of said substrate support channel, provided by

-----said sloped segment, into a stepped bottom, therein securing said substrate.

Claim 2 (cancelled):

Claim 3 (cancelled):

Claim 4 (currently amended): The substrate carrier according to claim 1 wherein said shape of <u>said</u> curbing member restricts said substrates from jutting towards said substrate entrance forward.

Claim 5 (currently amended): The substrate carrier according to claim 1 wherein all the substrate support channels defined by the substrate size are equally spaced from each other immediately adjacent substrate at equal distances.

Claim 6 (original): The substrate carrier according to claim 1 wherein said substrate support channels are configured to hold substrates in a vertical orientation.

Claim 7 (currently amended): The substrate carrier according to claim 1 wherein said

parallel and perpendicular surfaces of said substrate support channels provide[s] stress

free containment of a fragile substrate by providing substrate freedom of movement

within the cassette while said curbing member preventing said substrate from jutting

forward past said curbing member.

Claim 8 (currently amended): The substrate carrier according to claim 7 wherein said

substrate support channels having a " \(\substrate \) "shape of three perpendicular surfaces intended

to prevent[s] wedging of said substrate's chipping and breaking of highly stressed

substrate edges, therefore reducing chipping and breaking of said highly stressed edges.

Claim 9 (currently amended): The substrate carrier according to claim 1 wherein said

stepped bottom of said arcuate curbing member is placed shaped to prevent[ing] so that

said substrate from does not jutting out beyond the top edge of said cassette.

Claim 10 (currently amended): The substrate carrier according to claim 1 wherein a[n]

bottom edge of said sloped profile is determined shaped to permit allow the substrate

freedom to move laterally to the limit provided by an offset dimension which is the

difference of the lateral offset and the substrate diameter.under said curbing member.

Claim 11 (cancelled)

Claim 12 (cancelled)

Claim 13 (cancelled)

4

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Appl. No. 10/615,743
Amdt. dated Jan. 7, 2005
Reply to Office Action of Oct. 7, 2004
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Claim 14 (cancelled)

Claim 15 (cancelled)

Claim 16 (cancelled)

Claim 17 (cancelled)

Claim 18 (cancelled)

Claim 19 (cancelled)

Claim 20 (cancelled)

Claim 21 (currently amended): A method for protecting semiconductor wafers substrates in a wafers substrate carrier, comprising the steps of:

providing a cassette having,

an upper wafer substrate entrance[.];

- a lower wafer substrate support opening[.];
- a first side panel having an inner surface thereof, a train of parallel wafer substrate support channels, said substrate support channels having a bottom surface, a left side surface and a right side surface, said left and right side surfaces are perpendicular to said bottom surface[.];
- a second side panel opposite said first side panel[,] having, on an inner surface, a matching train of parallel wafer substrate support channels;
- a[n] arouate curbing member disposed on a left side surface in each of said substrate support channels, and including,
- a top end having a sloped profile facing said entrance of said cassette

[permitting] and a bottom end having a flat bottom, said top end enables a wafer

substrate to easily slide by a said sloped profile and past a necked portion of said

wafer substrate support channel, provided by said sloped segment, into a stepped

bottom, there[in]after retaining and securing said wafer substrate under said curbing

member.

Claim 22 (currently amended): A method according to claim 21 wherein said upper entrance and said lower eassette substrate support opening providing liquid chemical access to all surfaces of contained wafers substrates.

Claim 23 (currently amended): A method according to claim 21 wherein said wafer substrate support channel surfaces are planar thereby permitting unrestrained freedom of the wafers substrates during wet processes and during handling.

Claim 24 (currently amended): A method according to claim 21 wherein said shape of said curbing member in operation with said substrate support channel, restricts said wafer substrate from jutting towards said wafer cassette entrance during handling.

Claim 25 (currently amended): A method according to claim 21 wherein all the wafer substrate support channels defined by [the] a wafer substrate's size diameter, are equally spaced from immediately adjacent substrates at equal distances.

Claim 26 (currently amended): A method according to claim 21 wherein said wafer substrate support channels are configured to hold wafer's substrate's in a vertical orientation.

Claim 27 (currently amended): A method according to claim 21 wherein said parallel and perpendicular surfaces of said wafer substrate support channels provide[s] stress free containment of a fragile wafer substrate by providing wafer freedom of movement within the cassette while preventing said wafer substrate from jutting forward past said curbing member.

Claim 28 (currently amended): A method according to claim [7] 27 wherein said wafer substrate support channels having a " | "shape of three perpendicular surfaces to prevent[s] wedging of said wafer's substrate's ehipping and breaking of highly stressed substrate edges, resulting in reduced wafer substrate damage.

Claim 29 (currently amended): A method according to claim 21 wherein said stepped bottom of said arcuate curbing member is placed so that said wafer substrate does not jut out beyond the top edge of said cassette.

Claim 30 (currently amended): A method according to claim 21 wherein an edge of said

Appl. No. 10/615,743 Amdt. dated Jan. 7, 2005 Reply to Office Action of Oct. 7, 2004.

sloped profile of said curbing member is determined formed to permit allocate the wafer substrate freedom to move laterally to the limit provided by an offset dimension which is the difference of the lateral offset and the wafer substrate's diameter.